

PHENIX WEEKLY PLANNING

5/1/2008

Don Lynch

Shutdown '08 Schedule

Technical Support 2008

Mu Trigger Review	Done, Action Items in progress
New Beam Pipe Design Review	Done, Action Items in progress
RPC Prototype engineering & safety review	Done, Action Items in progress
CM Crane, MMN & sta. 1 scaffolding review	Done, Action Items in progress
RPC Prototype C tests (in tent)	in progress
Install/field fit CM access stairs	in progress
RPC Gap 0 and 5 base survey	Done, waiting for report
MuTr FEE upgrade/MuTr decaps WP	ready for review
Remove North access & MMN 4 lampshades	Done
Begin erecting MMN scaffold	May 5
PO for Station 1 scaffold (+ Central shops)	in progress due 5/28
RPC Prototype D tests (in tent)	Apr-May
Design RPC installation fixtures &	
MuTrigger FEE platforms	In progress
Install Station 1 North scaffolding	May 29-June 6
Station 1 North decaps	June 6-30
RICH air control move to DC Rack	In progress
Prep work for Mutrgr platforms (water/elec)	May-June
Modify Bridge	In progress

Shutdown '08 Schedule, cont'd

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Prep work for RPC proptotype install move (7) MuID pipes move gap 5 south cable tray	May-June
MMN decaps	May-July
End of run Party	May 30
Prep RPC Proto, MuTrggr FEE N&S Racks	Apr-July
Install CM Crane Channel Supports	June-Sept
RPC engineering & safety review	mid June
MuTrigger FEE N Install	July 1-31
HBD Install	July-October
RPC prototype gas system	July 1-31
Move shielding for RPC prototype installation	July 1-31
RPC prototype cable routing & support	July 1-31
Modify crystal palace & vapor barrier	July 1-31
Install MuTrigger FEE N platform	Aug. 1-15
RPC prototype install	Aug.- Sep. (RPC3 - C. Pearson) (RPC2 - PHENIX)
Install RPC prototype rack in tunnel south	Aug. 1-29
Install Mutrigger FEE's in MMS for RPC test	Aug. 1-29
Install MuTrigger FEE South platform	Aug. 1-29
Install MuTrgr N&S rack cooling & electric	Aug. 1-29
Install MuTrigger N cooling water & air	Aug.

Shutdown '08 Schedule, cont'd

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Replace tunnel shielding	Sep. (C. Pearson)
Connect electronics/gas/water/air for RPC	Sep.
Install MuTrigger N& S racks	Sep.
CM Crane Install	
PC1 west work (needs planning)	Sep./Oct.
DC East?/West Repairs	Oct.
Remove all inst'n equipment(e.g. scaffolds)	Oct.
Gap 5 north piping and cable tray re-loc.	Oct.
Gap 2 north cable tray & crate re-mounts	Oct.
Prep for shutdown 2009	Nov
Prep for run 9	Oct
Close shield wall start shifts	Dec.
Start physics	Jan 1



5/1/08

Shutdown '08 Electrician Work

- 1) Install 30KVA UPS in Rack Room.
 - a) Remove existing 15kva UPS and relocate smaller 3KVA Safety System UPS.
 - b) Install new 30KVA UPS, 30 min. reserve capacity battery cabinet and maintenance bypass breaker box along west rack room wall.
 - c) Remove existing #6 UPS feeder cable and replace with larger #2 gauge cable (175 ft. run from feeder breaker to UPS and UPS to load distribution panel).
- 2) Install power and signal cable tray (ceiling suspended) for new DCM rack row - north of existing DCM racks.
- 3) Upgrade power capacity of Central Magnet power distribution for future bridge rack loads
 - a) Remove existing 15KVA transformer and install 45KVA unit.
 - b) Install new (larger size) power cable from rack room to Central Magnet distribution breaker panels.
- 4) Install power feeds to RPC north & south tunnel racks from IR power panels.
NOTE: MuTr north power panel has no available breakers to feed north tunnel racks (south panel has spare breakers for use). More engineering analysis is required to determine if the north power panel should be increased in size or for installation of a sub panel branch can be accomplished.
- 5) Install 120 volt AC power drops into new control room annunciator alarm rack (rack room).
- 6) Install HVAC cooling and/or fan power circuits into RPC tent. Install fans/cooling units.
- 7) Assist in signal cable installation for MuTr/RPC upgrades as necessary.



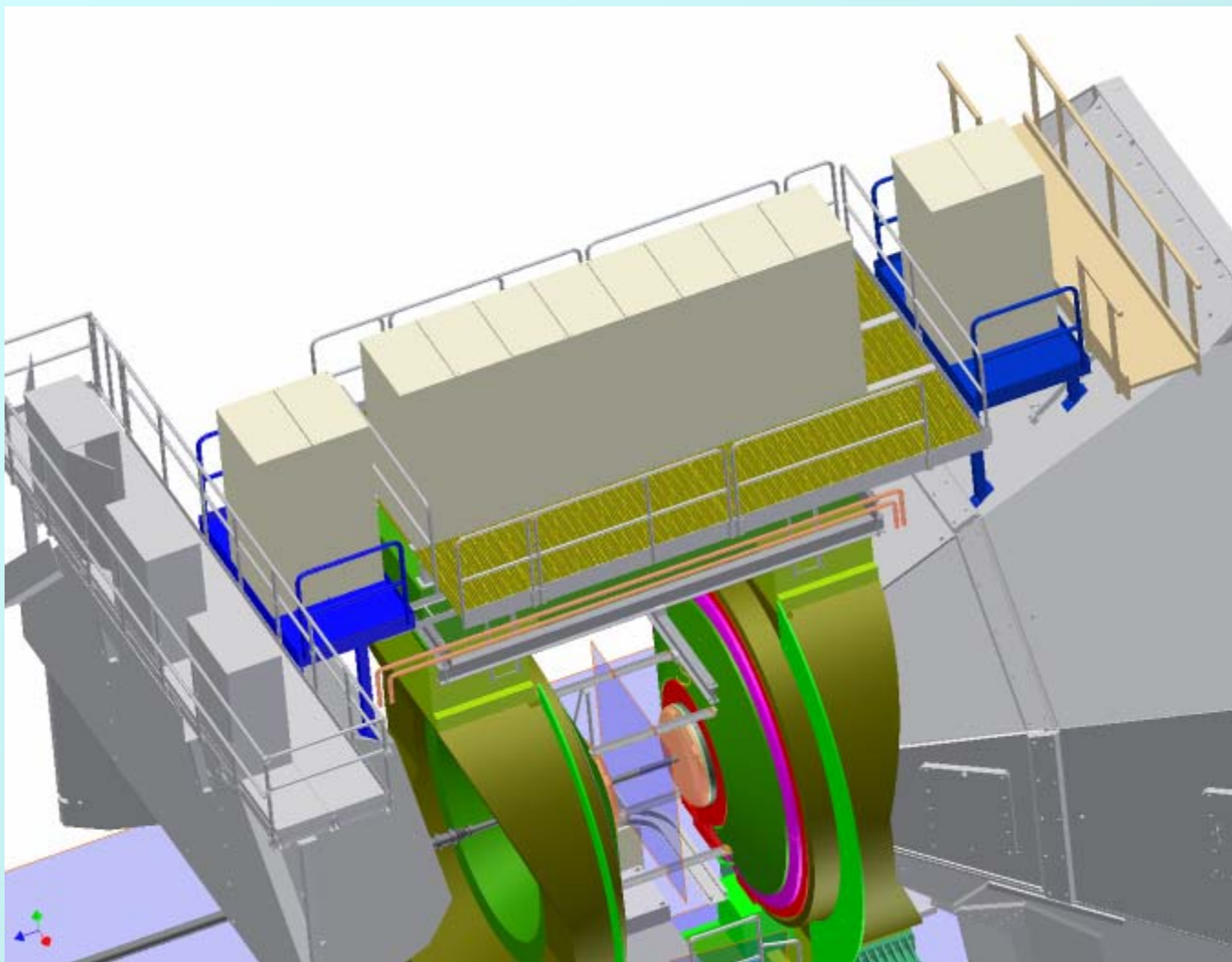
Work Permit Requirements

- Standard Shutdown Commencement tasks (covered by approved procedures) Done
- MuTrigger FEE Upgrade (North & South) & MuTr Decaps, (including confined space for MMS & MMN and scaffold installation) done, waiting for approval
- CM Crane Installation
- RPC Prototype Installation
- HBD re-installation
- MuTrigger FEE rack platform installation
- PC1 Repairs
- (More will be needed – to be added to the list as appropriate)

Meeting tomorrow to plan for major expenditures:
Items to be discussed include:

CM Crane
New 40 mm ID beampipe
RPC Factory
RPC Prototype Installation
RPC Final Installation
MuTrigger FEE Upgrade
CM Access Stairs
Gas House Reorganization/maintenance
Bridge Rework
HBD Re-installation
DC East & West Repairs
PC1 Repair (Lynch)
Rack room UPS upgrade
Bridge Power upgrade
Rack Room Update (Giannotti)
Detector Rack Fan tray replacement (Boose)
AOSB

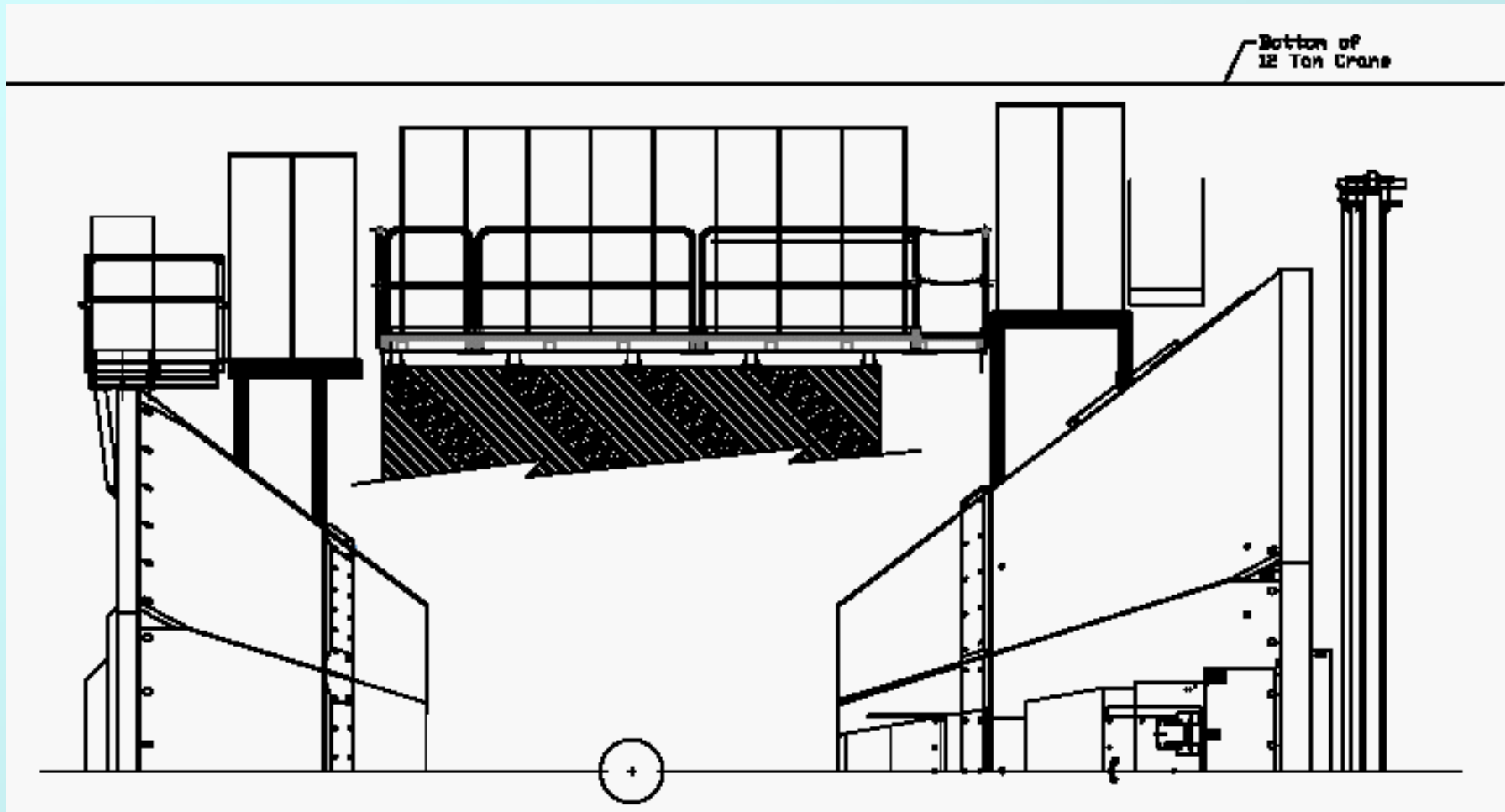
MuTrgr North FEE Rack Platform



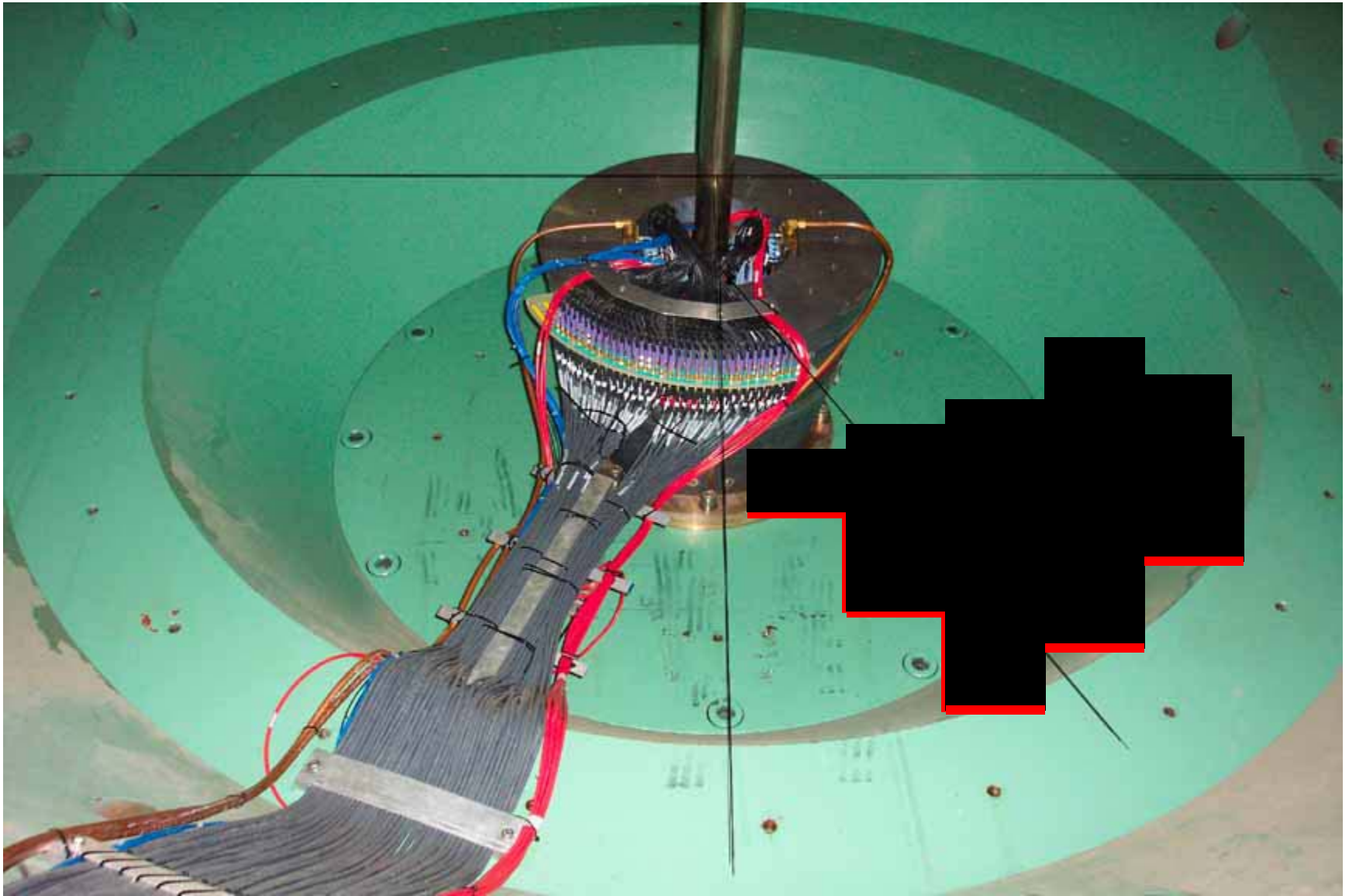
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Bridge
Modifications
are in progress

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Shelf & Pb brick concept



RPC Prototype Review

Still waiting for dim's and lifting points

RPC group wants W shot for absorbers.
Waiting for dim. specs.

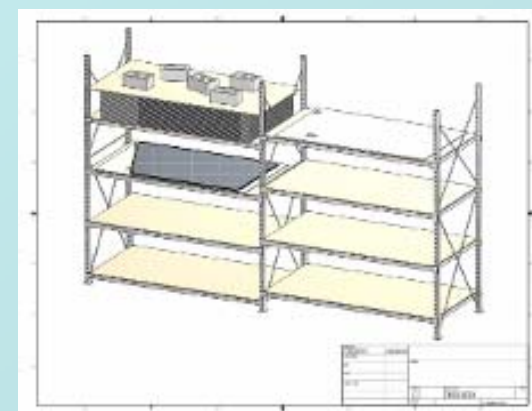
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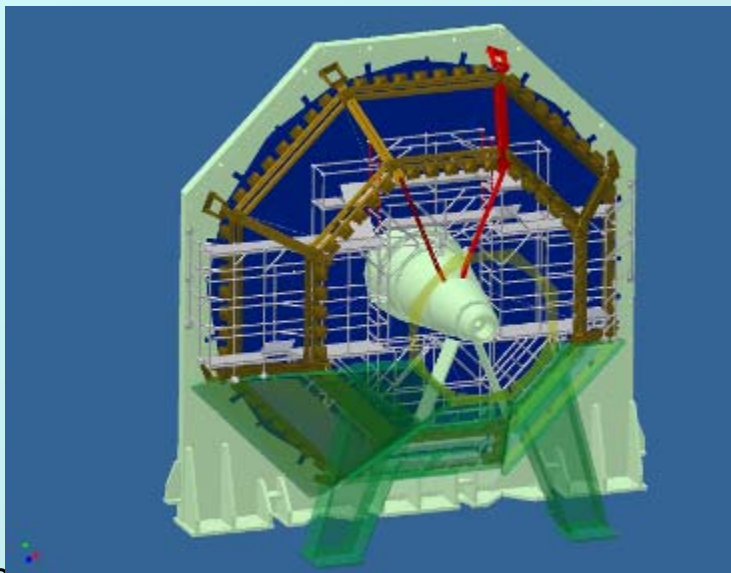
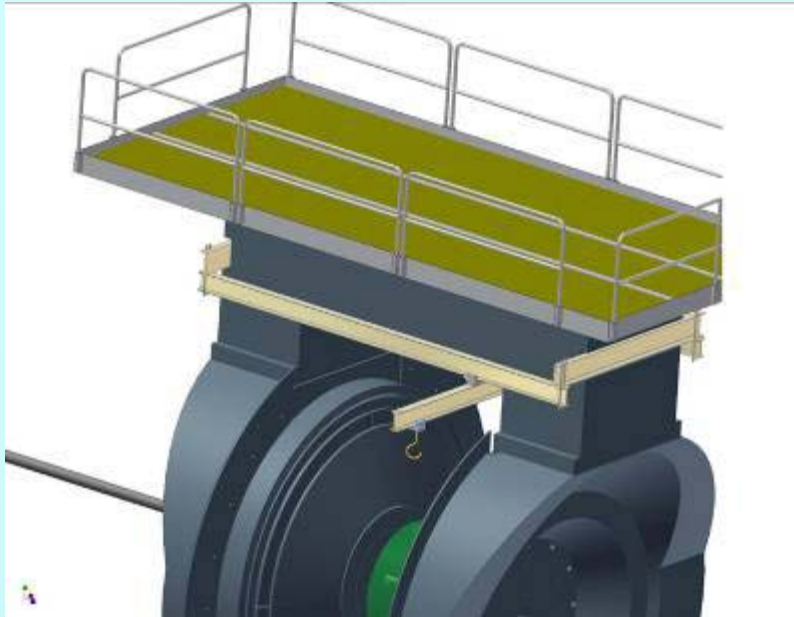
More frame mods for Proto C

Still need specs for transport table

& gap/module storage



Combined CM Crane, MMN & Station 1 scaffolding Review



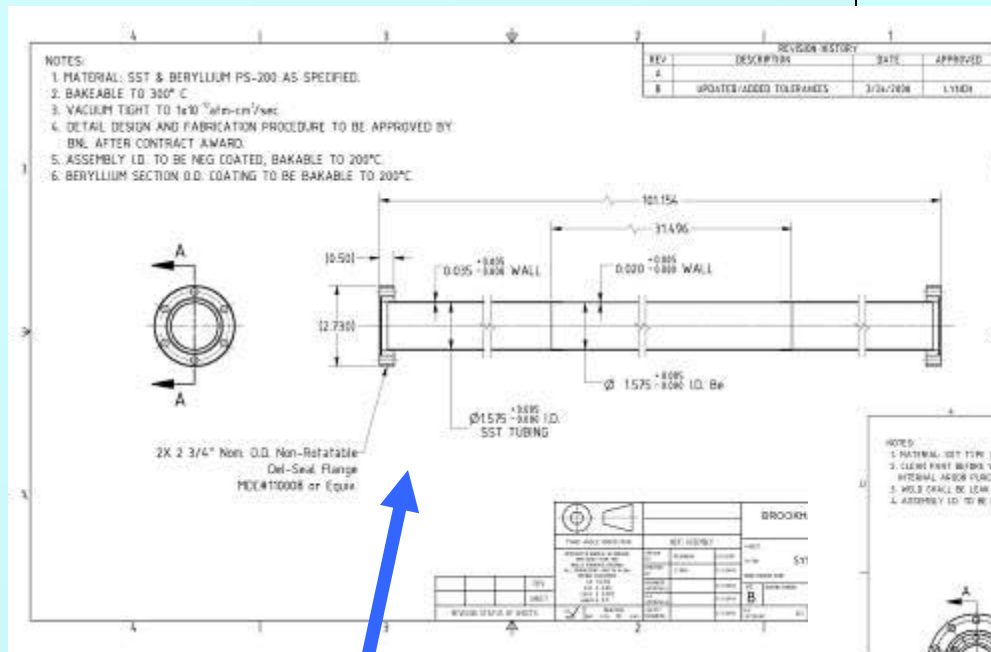
Station 1 platforms rec'd. Remaining components due ~5/28

Station 2/3 ready to build. Waiting for administrative approval and WP approval.

New Beampipe Design & Review

BP designs at SAES for NEG quote. Meet w/ Mapes this afternoon.

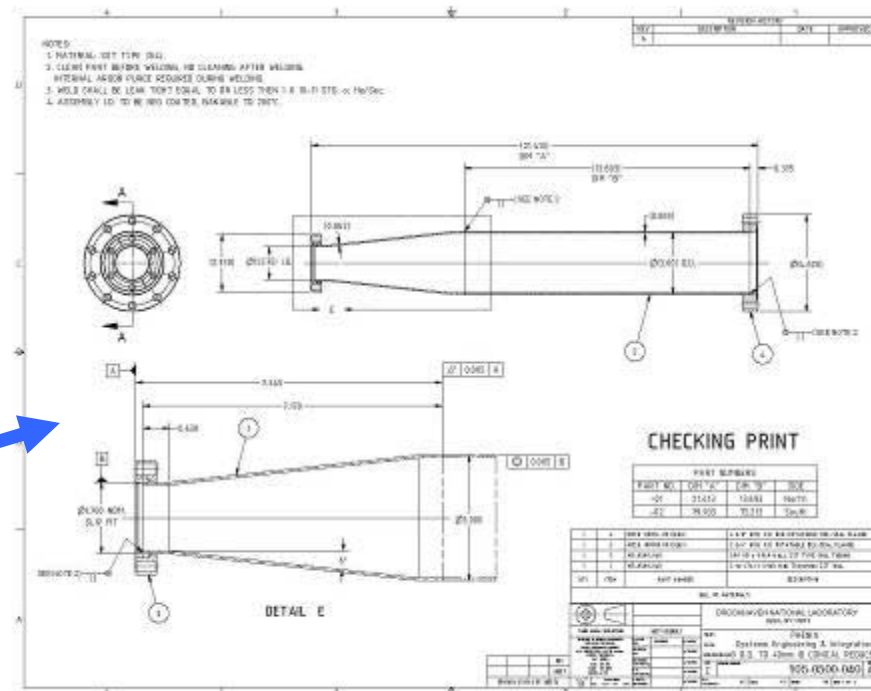
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SS/Be central beampipe

1-5/8" to 3" transitions

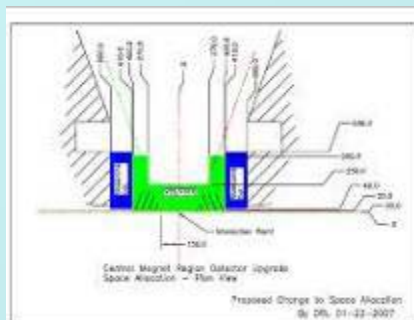
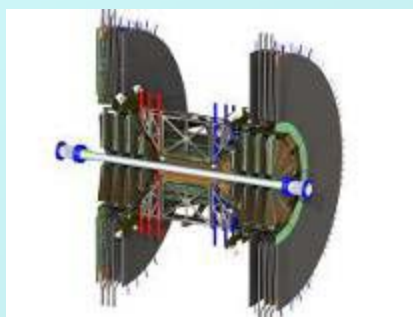
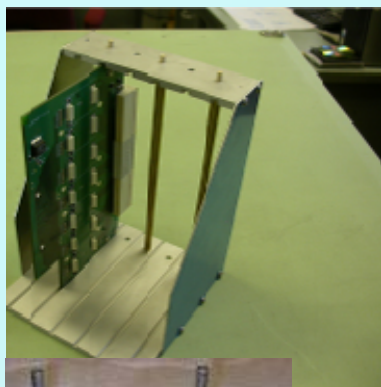
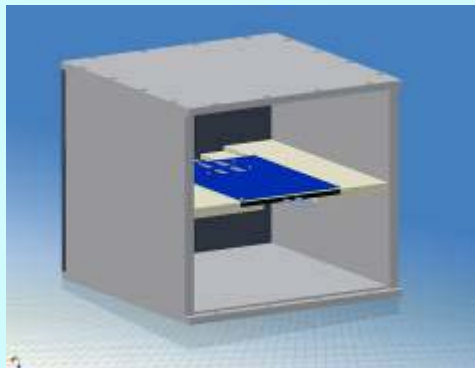
Drawings Done, C-A getting Quotes for NEG coating



CM Access

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Other Work

- VTX, FVTX and NCC prototype support
- Integration
- Physical and Rack space
- Infrastructure upgrades
- HBD getting closer?

Safety, Security, etc.

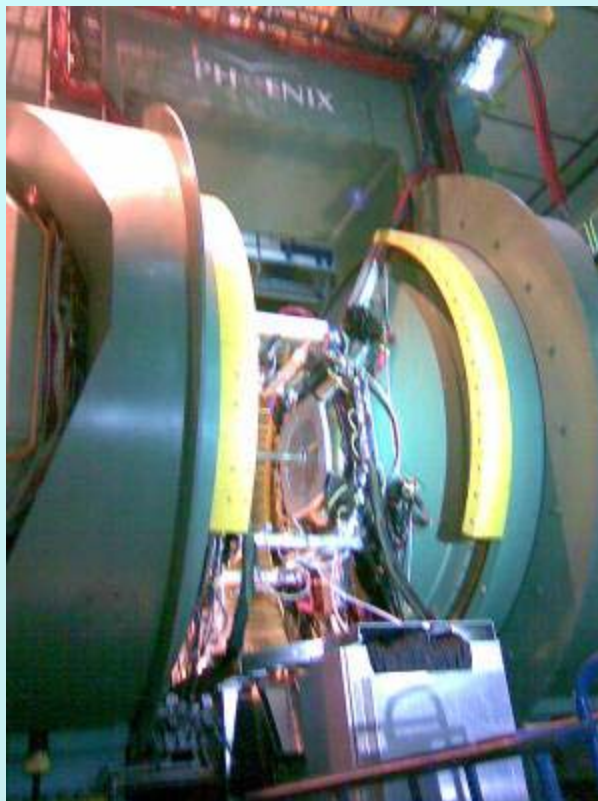
Please note that the BNL Electrical Safety Committee has made a decision which conforms with the position of the DOE lab contractor Electrical Safety Group (EFCOG) that all electrical workers must wear safety glasses that are plastic. Metal frames are no longer allowed. This is to prevent a problem if metal glasses fall into an energized piece of equipment.

The BNL safety glass office has been told that if an electrical worker gets safety glasses they can only be plastic. As you come to the Safety Group to have the safety glass chit signed, we will be writing in the remarks section that the glasses can only be plastic frames.

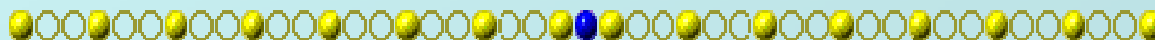
I don't know how that relates to us.



Where To Find PHENIX Engineering Info



Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm